

02495.000004



PATENT APPLICATION

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
ORNAN A. GERSTEL ) Examiner: Hanh Phan  
Application No.: 09/464,077 ) Group Art Unit: 2638  
Filed: December 16, 1999 )  
For: 1:N PROTECTION IN AN )  
OPTICAL TERMINAL : January 13, 2006

Mail Stop  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and in accordance with the practice under 37 C.F.R. §§ 1.97 and 1.98, the Examiner's attention is directed to the documents listed on the enclosed Form PTO-1449. Copies of the listed documents are also enclosed.

The Swedish document SE 9800545 and WO 99/44317 are foreign counterparts of U.S. Patent 6,915,075 B1 (Oberg et al.), of record. No published version of Swedish patent application SE 9801642 (which also is a foreign counterpart of Oberg et al.) is presently available, because it is understood that the application may never have been published. However, a copy of that application obtained electronically from the image file wrapper of International Publication No. WO 99/44317 is attached, as is a copy of

01/18/2006 HAL111  
00000032 09464077  
01 FC:1806

Publication. A copy of the version of Swedish document SE 9800545 obtained electronically from that same image file wrapper also is attached.

Also, for the concise statement of relevance of non-English documents JP 53-68046, JP 63-161748 and JP 3-107242, the Examiner is respectfully referred to the abstracts attached thereto.

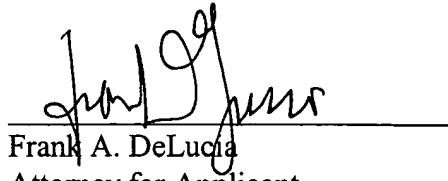
The filing of this Information Disclosure Statement does not constitute an admission that any art identified herein is material to the presently claimed invention and/or qualifies as prior art against the present application.

It is respectfully requested that the above information be considered by the Examiner and that a copy of the enclosed Form PTO-1449 be returned indicating that such information has been considered.

A check for \$180.00 is enclosed. Please charge any deficiency in this fee, and credit any overpayment, to Deposit Account 06-1205.

Applicant's undersigned attorney may be reached in our New York office by telephone at (212) 218-2100. All correspondence should continue to be directed to our address given below.

Respectfully submitted,



\_\_\_\_\_  
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LIST OF REFERENCES CITED BY APPLICANT(S)  
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ATTY DOCKET NO.  
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APPLICATION NO.

**09/464,077**

APPLICANT

**ORNAN A. GERSTEL**

FILING DATE

**December 16, 1999**

GROUP

**2633**

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	6,477,288	11/02	Sato	385	16	
	5,986,783	11/99	Sharma et al.	359	119	
	6,025,941	02/00	Srivastava et al.	359	119	
	6,084,694	07/00	Milton et al.	359	124	
	4,633,246	12/86	Jones et al.	340	825.05	
	5,159,595	10/92	Flanagan et al.	370	85.15	
	5,333,130	07/94	Weissmann et al.	370	16	
	5,341,364	08/94	Marra et al.	370	16.1	

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
	WO 99/44317	09/99	PCT			English
	0 920 153 A2	06/99	EPO			English
	0 948 153 A2	10/99	EPO			English
	0 928 082 A1	07/99	EPO			English
	0 903 882 A2	03/99	EPO			English

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	J. L. Zyskind et al., <i>Fast Link Control Protection For Surviving Channels In Multiwavelength Optical Networks</i> , 22 <sup>nd</sup> European Conference on Optical Communication - ECOC 1996, Oslo (5 pages)
	N. Nagatsu et al., <i>Flexible OADM Architecture and Its Impact on WDM Ring Evolution For Robust and Large-Scale Optical Transport Networks</i> , IEICE Transactions on Electronics, Institute of Electronics Information and Comm. Eng. Tokyo, Japan, Vol. E82-C, No. 8 (8/99) pp. 1371-1379.
	Ornan Gerstel, et al., "Optical Layer Survivability - An Implementation Perspective", IEEE Journal On Selected Areas In Communications, Vol. 18, No. 10, pp.1885-1899, Oct. 2000

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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APPLICANT

ORNAN A. GERSTEL

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2633

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,406,401	04/95	Kremer	359	110	
	5,412,652	05/95	Lu	370	85.12	
	5,442,620	08/95	Kremer	370	16.1	
	5,475,676	12/95	Takatori et al.	370	16.1	
	5,680,235	10/97	Johansson	359	110	
	2002/0071154 A1	07/02	Gerstel et al.	359	124	

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
	53-68046	06/78	Japan			Abstract
	63-161748	07/88	Japan			Abstract
	3-107242	05/91	Japan			Abstract
	9800545	08/99	Sweden			English

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)


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